



## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

(Attachment)  
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MEMORANDUM

156092

DATE: March 23, 1982

TO: Field Operations Section &amp; Records Unit/DWPC

FROM: Timothy R. Kluge, Region V Springfield, FOS/DWPC *TR*REFERENCE #3  
SITE NAME **EAGLE ZINC CO.**  
SITE ID **ILD930606941**SUBJECT: Sherwin-Williams Chemical Company -- Wastewater Discharge  
(Hillsboro, Montgomery County) Reconnaissance InspectionInterviewed: Pete Meehan, General Manager  
Dave Lewis, Site Manager  
Rich Mulcahy, Former Site Manager

On the above date, I revisited the Sherwin-Williams site to collect additional samples and document possible water quality violations caused by runoff from the zinc smelting spoil on the site. Previous site visits had been made on September 22 and November 19, 1981, and limited sampling indicated possible cadmium, iron, lead, zinc, and copper violations from site runoff.

Sample locations are shown on the attached area map, and a tabulation of the sample results is also attached. The samples indicate that discharges from the site contribute to water quality violations for iron and zinc. In both cases, the samples taken in a location believed to be upstream of any plant runoff contained concentrations in excess of water quality standards. Since there is no other known sources of these contaminants in the area, this location may also receive runoff from the plant site.

Based on this and previous surveys, runoff from the Sherwin-Williams plant site appears to be causing or contributing to water quality violations for dissolved metals. In addition, orange deposits in the pond on the plant property and in the stream downstream of the plant appear to be precipitated iron, violating Rule 203(a) of Chapter 3. A letter will be sent to the company noting these apparent violations.

It was also learned during the visit that sanitary wastes from the plant are treated in a septic system with no reported surface discharge.

*Jif*  
JJF/TRK/mh  
6-7-82

cc: Region V Springfield

Sherwin-Williams Sampling

March 23, 1982

<u>Parameter</u>	<u>A-1</u>	<u>B-1</u>	<u>Station</u> <u>C-1</u>	<u>D-1</u>	<u>D-2</u>	<u>Rule 203(f)</u>
TS/EC	300	460	580	300	380	1000
pH	7.1	7.5	7.1	7.7	7.5	6.5-9
R.O.E.	329	514	650	321	450	-----
Arsenic	0.001	0.001	<0.001	0.001	<0.001	1.0
Barium	0.1	0.1	<0.1	0.1	0.1	5.0
Boron	0.2	0.3	0.5	0.3	0.4	1.0
Cadmium	<0.005	<0.005	0.01	<0.005	0.005	0.05
Copper	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
Chromium (Tot.)	<0.05	<0.05	<0.05	<0.05	<0.05	1.05
Chromium (Hex.)	0.0	0.0	0.0	0.0	0.0	0.05
<del>Iron</del>	2.3	1.8	2.8	1.9	0.68	1.0
Lead	<0.05	<0.05	<0.05	<0.05	<0.05	0.1
Manganese	1.7	0.37	0.46	0.22	0.49	1.0
Nickel	<0.05	<0.05	<0.05	<0.05	<0.05	1.0
Selenium	<0.001	<0.001	<0.001	<0.001	<0.001	1.0
Silver	<0.005	<0.005	<0.005	<0.005	<0.005	0.005
Zinc	3.6	2.2	8.7	<0.05	6.3	1.0

